

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L10	0	6 and 9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 13:45
L9	0	(jitter and pll and eye and correlat\$4 and filter\$4 and (add adding adder sum summer summing) and (clock near phase)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 13:45
L7	94	jitter and pll and eye and correlat\$4 and filter\$4 and (add adding adder sum summer summing) and (clock near phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 13:45
L8	13	7 and 6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 13:42
L6	13958	3 4 5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 13:41
L5	3655	331/17,23,1a.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 13:41
L4	2638	327/147,156,331,233,236,244.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 13:40
L3	8893	375/354,355,360,364,371,376.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 13:40

## EAST Search History

L1	264	pct and (cross adj reference) and 375/130-377.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 13:40
S25 3	32896	pct and (cross adj reference)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/10 13:36
L2	222	pct and (cross adj reference) and 375/130-377.ccls.	USPAT	OR	ON	2006/08/10 13:36
S25 2	12	S246 and S251	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 17:09
S25 1	89	S248 and S249 and S250	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 17:08
S25 0	924	S247 with (monitor\$4 detect\$4 determin\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 17:08
S24 9	22087480	@ad<"20020311"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 17:08
S24 8	42747	recover\$4 near (time timing clock)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 17:08
S24 7	6968	data adj density	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 17:08

## EAST Search History

S24 6	13221	S243 S244 S245	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/29 17:08
S24 2	89	S236 and S238 and S241	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 17:08
S24 5	1701	327/147,156.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/29 17:07
S24 4	3622	331/17,23,1a.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/29 17:07
S24 3	9089	375/354,355,360,364,371,373,376. ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/29 17:07
S54	8515	375/354,355,360,364,371,373,376. ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/29 17:07
S20	3512	331/17,23,1a.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/29 17:07
S19	1519	327/147,156.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/29 17:07

## EAST Search History

S24 1	924	S233 with (monitor\$4 detect\$4 determin\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 16:22
S24 0	91	pll and S239	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 16:22
S23 9	217	S237 and S238	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 16:21
S23 8	22087480	@ad<"20020311"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 16:21
S23 7	283	S233 and S236	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 16:21
S23 6	42747	recover\$4 near (time timing clock)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 16:18
S23 4	82	(phase near error) same correlat\$4 same (positive and negative)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 16:18
S23 5	0	S233 and S234	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 16:12

## EAST Search History

S23 3	6968	data adj density	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/29 16:11
S23 2	2	S230 and S231	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 19:32
S23 1	5269	little.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 19:32
S23 0	25	(US-20030053576-\$ or US-20020172304-\$ or US-20030169837-\$ or US-20020001359-\$ or US-20020017934-\$ or US-20020009167-\$ or US-20030156603-\$ or US-20030035236-\$).did. or (US-6181211-\$ or US-6031428-\$ or US-6765975-\$ or US-5432480-\$ or US-5894334-\$ or US-5157355-\$ or US-6819728-\$ or US-5355092-\$ or US-6640194-\$ or US-6804074-\$ or US-6351507-\$ or US-6118606-\$ or US-6374035-\$ or US-5490181-\$ or US-6735259-\$ or US-6807134-\$ or US-6816548-\$).did.	US-PGPUB; USPAT	OR	ON	2006/03/30 19:31
S22 9	110	375/130-377.ccls. and S228	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 19:12
S22 8	287	(positive and negative) with nrz	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 19:12

## EAST Search History

S22 7	695	(positive and negative) same nrz	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 19:10
S22 6	244	pll same (gain with (data jitter) with (vary\$4 adjust\$4 control\$4))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 21:29
S22 5	938	pll and (gain with (data jitter) with (vary\$4 adjust\$4 control\$4))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 21:29
S22 4	1595	pll and (gain with (data jitter))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 21:28
S22 3	1	gain and S222	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 21:28
S22 2	2	("6031428").PN.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 21:27
S22 1	58	eye same (phase near (sample reference)) same data	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 21:27
S22 0	41	eye same (phase near (sample reference)) same data	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 20:29
S21 9	0	(program) and S216	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 20:29
S21 8	0	(software pc) and S216	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 19:11

## EAST Search History

S21 7	348420	software pc and S216	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 19:11
S21 6	2	("6031428").PN.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 19:11
S21 5	39	S213 same pll	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 19:11
S21 4	189	S213 and pll	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 18:29
S21 3	558	(phase near (offset error jitter)) same correlat\$4 same filter\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 18:29
S21 2	7242	phase same correlat\$4 same filter\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 18:28
S21 1	120	S209 and (sum summing summer add adder adding combin\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 18:28
S21 0	120	S209 and (sum summing summer add adder adding combin\$4) and pll	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 18:25
S20 9	125	S208 and (phase near (error offset))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 18:25

## EAST Search History

S20 8	242	S207 same filter\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 18:25
S20 7	728	pll same correlat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 18:25
S20 6	95	S205 and eye	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 18:25
S20 5	1046	S204 and (phase near (error offset))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 18:25
S20 4	3338	correlat\$4 and filter\$4 and (sum summing summer add adder adding combin\$4) and pll	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 18:25
S20 3	37	S202 and S193	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 18:16
S20 2	181	pll and S198	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 18:11
S20 1	114	pll and S195	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 18:11



## EAST Search History

S20 0	66	S197 and S198	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 18:11
S19 9	255	S197 and "6"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 18:08
S19 8	8046	(eye near (center central middle point))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 18:08
S19 7	268	S196 and data	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 18:08
S19 6	308	phase and S195	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 18:07
S19 5	308	(phase near (error offset jitter)) same eye	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 18:07
S19 3	308	(phase near (error offset jitter)) same eye	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 18:07
S19 4	61	S193 and correlat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 18:04

## EAST Search History

S19 2	7	S190 same pll	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 18:03
S19 1	83	S190 and pll	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 17:27
S19 0	2319	hold near counter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 17:27
S18 9	3	pll and S188	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 17:26
S18 8	54	hold near off near counter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 17:24
S18 7	3	count\$4 and S186	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 17:24
S18 6	4	((("6614316") or ("6031428"))).PN.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 17:12
S18 5	4	dco same vco same dac	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 17:11
S18 4	1	filter and S183	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 17:07

## EAST Search History

S18 3	2	("6614316").PN.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 16:46
S18 2	47	pll and (gain same amplitude) and S179	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 16:46
S18 1	81	S178 and S179	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 15:45
S18 0	2344	S179	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 15:44
S17 9	2499	((timing near recovery) (phase near loop)).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 15:44
S17 8	3562	(add adder adding sum summer summing combin\$4) and S177	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 15:44
S17 7	6596	(amplitude same phase) and pll	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 15:43
S17 6	4641	(amplitude same phase) and pll	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 15:43
S17 5	0	amplitude and S174	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 15:43
S16 7	107	((amplitude near detect\$4) same (add adder adding sum summer summing combin\$4)) and pll	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 15:43
S17 4	2	("5525935").PN.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 15:40

## EAST Search History

S17 3	3	("5157355"   "5525935"   "5774290"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/26 15:40
S16 4	6	amplitude and S163	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 15:40
S17 2	0	("6351507").URPN.	USPAT	OR	OFF	2005/06/26 15:37
S17 1	2	("5923707").URPN.	USPAT	OR	OFF	2005/06/26 15:37
S17 0	51	S169 and vco	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 15:33
S16 9	154	((amplitude near detect\$4) same (add adder adding sum summer summing combin\$4)) and pll	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 15:33
S16 8	146	((amplitude near detect\$4) same (add adder adding sum summer summing combin\$4)) and pll	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 15:33
S16 6	0	amplitude and S165	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 15:32
S16 5	2	("6614316").PN.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 15:24
S16 3	18	("5157355").URPN.	USPAT	OR	OFF	2005/06/26 15:20
S16 2	1	amplitude and S161	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 15:20
S16 1	2	("5157355").PN.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 15:17

## EAST Search History

S160	12	S157 and S158	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 15:17
S159	12	S158 and S157	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 14:56
S158	2499	((timing near recovery) (phase near loop)).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 14:55
S157	654	(amplitude same gain same (add adder adding sum summer summing combin\$4)) and pll	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 14:55
S156	115	(phase near detect\$4) and S155	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 14:55
S155	192	pll and ((amplitude same (add adder adding sum summing summer combin\$4)) same vco)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 14:53
S154	57	pll and ((amplitude near detect\$4) same vco)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 14:52
S153	3	S152 and amplitude	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 14:42
S152	7	S150 S151	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 14:31

## EAST Search History

S15 1	1	"20030053576"	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 14:31
S15 0	7	((("6031428") or ("5157355") or ("6630868") or ("20030053576"))).PN.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 14:31
S14 9	2	("6630868").PN.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 14:30
S14 8	81	S147 and (add adder summer combiner)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 13:49
S14 7	150	(phase near detect\$4) and S146	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 13:47
S14 6	196	pll and S145	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 13:47
S14 5	519	(amplitude with detect\$4) same vco same phase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 13:47
S14 4	240	pll and S143	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 13:47
S14 3	697	(amplitude with detect\$4) same vco	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 13:47

## EAST Search History

S13 7	2813	pll and ((add adder summer combiner) near output)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 13:47
S13 5	113	(phase near detect\$4) and S134	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 13:47
S14 2	24	S139 and S140	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 13:46
S14 1	3224	S139 S140	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 13:38
S14 0	2499	((timing near recovery) (phase near loop)).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 13:38
S13 9	749	S138 and ((amplitude data) with phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 13:38
S13 8	1043	(phase near detect\$4) and S137	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 13:37
S13 2	444	pll and ((add adder summer combiner) same amplitude same data)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 13:36
S13 6	3	("5157355"   "5525935"   "5774290"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/26 13:31

## EAST Search History

S13 4	214	(data with phase) and S133	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 13:16
S13 3	238	(amplitude with phase) and S132	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 13:16
S13 1	246	pll and ((add adder summer combiner) same amplitude same data)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 13:15
S12 4	1024	pll and (data near (sequence pattern)) and (add adder summer combiner)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 13:15
S13 0	101	pll and S129	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 11:30
S12 9	293	(phase near detect\$4) same (data near (sequence pattern))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 11:30
S12 8	69	pll and (phase near detect\$4) and ((data near (sequence pattern)) same (add adder summer combiner))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 11:29
S12 7	192	pll and phase and ((data near (sequence pattern)) same (add adder summer combiner))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 11:28
S12 6	202	pll and ((data near (sequence pattern)) same (add adder summer combiner))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 11:28



## EAST Search History

S12 5	2021	pll and (data near (sequence pattern)) and (add adder summer combiner)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 11:27
S12 3	1	S122 and pll	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 11:27
S12 2	2	("6614316").PN.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 11:14
S12 1	12	S120 and amplitude	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/26 11:14
S12 0	21	(US-20020001359-\$ or US-20020009167-\$ or US-20020017934-\$ or US-20020172304-\$ or US-20030035236-\$ or US-20030156603-\$ or US-20030169837-\$).did. or (US-5355092-\$ or US-5432480-\$ or US-5490181-\$ or US-5894334-\$ or US-6118606-\$ or US-6181211-\$ or US-6351507-\$ or US-6374035-\$ or US-6640194-\$ or US-6765975-\$ or US-6804074-\$ or US-6807134-\$ or US-6816548-\$ or US-6819728-\$).did.	US-PGPUB; USPAT	OR	OFF	2005/06/26 10:48
S11 9	123	S118 and (add adding adder sum summer combin\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 00:12
S11 7	14	pll same (phase with amplitude with data) same (add adding adder sum summer combin\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 00:12
S11 8	178	pll same (phase with amplitude with data)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/26 00:11

## EAST Search History

S11 6	26	S114 and (pll same (add adding adder sum summer combin\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/25 23:46
S11 5	44	S114 and amplitude	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/25 23:46
S11 4	110	pll same ((data near (sequence pattern)) with phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/25 23:46
S11 3	432	pll same (data near (sequence pattern))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/25 23:45
S11 2	7	pll same (third near path)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/25 23:45
S11 1	4	pll same (third near path)	USPAT	OR	OFF	2005/06/25 23:35
S11 0	0	("2003/0169837").URPN.	USPAT	OR	OFF	2005/06/25 23:35
S10 9	4	pll and (((amplitude and (pattern sequence)) near data) with phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/25 23:33
S10 8	123	pll and ((amplitude and (pattern sequence)) near data)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/25 23:33

## EAST Search History

S10 7	2	pll same ((amplitude and (pattern sequence)) near data)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/25 23:33
S10 6	107	phase same ((amplitude and (pattern sequence)) near data)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/25 23:32
S10 5	66547	pll	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/25 23:31
S10 4	38	vo.xp. and (pll same (add adding adder sum summer combin\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/25 23:30
S10 3	187	vo.xp. and pll	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/25 22:59
S10 2	33	S99 and S101	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/25 22:59
S10 1	406	pll same (amplitude with data)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/25 22:47
S10 0	38	pll same (amplitude near data)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/25 22:47

## EAST Search History

S99	432	pll same (data near (pattern sequence))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/25 22:47
S98	224	S97 and filter\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/25 22:39
S97	231	S96 and (phase near detect\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/25 22:25
S96	394	S94 and S95	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/25 22:23
S95	1286	(amplitude with phase) same pll	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/25 22:23
S94	6203	pll same (sum\$4 adder adding add)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/25 22:23
S93	2	375/130-377.ccor. and antenna and pll and (data with eye).drwd.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/19 15:02
S92	2	375/130-377.ccls. and antenna and pll and (data with eye).drwd.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/19 15:02
S91	4	375/130-377.ccls. and antenna and (pll and (timing near recovery)) and (data with eye)	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/19 15:01

## EAST Search History

S90	10	375/130-377.ccls. and antenna and (pll and (timing near recovery)) and (data with eye)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/19 14:57
S82	1667	375/130-377.ccls. and antenna and (pll (timing near recovery))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/19 14:57
S89	47	S88 and amplitude and phase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/19 14:55
S86	171	S85 and amplitude and phase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/19 14:55
S88	61	S82 and (data same eye)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/19 14:54
S87	18	S86 and (data same eye)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/19 14:54
S85	205	S83 S84	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/19 14:50
S84	199	non-linear and S82	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/19 14:50

## EAST Search History

S83	205	(non near2 linear) and S82	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/19 14:50
S76	192	non-linear and S75	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/19 14:50
S81	462	375/130-377.ccls. and antenna and (timing near recovery)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/19 14:49
S80	107	S79 and (data with pattern)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/19 14:49
S77	199	(non near2 linear) and S75	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/19 14:49
S79	191	S78 and (sum summing add adding combin\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/19 14:41
S78	199	S76 S77	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/19 14:39
S75	1607	(phase error) same (amplitude and pattern and pll)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/19 14:39

## EAST Search History

S74	888	(phase error) same (amplitude and pattern and pll)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/19 14:39
S73	28	farjad-rad.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/19 13:09
S72	73	S71 and (data with (pattern sequence))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/19 13:09
S71	151	S70 and pll	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/19 13:01
S70	897	(phase near (adjust\$4 error difference)) with amplitude with data	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/19 12:48
S69	754	(phase near (adjust\$4 error difference)) with amplitude with data	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/19 12:48
S68	116	((timing near recovery) pll) and S67	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/19 12:48
S67	947	(phase with data with amplitude) same (sum\$4 add adding)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/19 12:46

## EAST Search History

S65	1326	( phase same (data with amplitude) same (sum\$4 add adding))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/19 12:46
S66	134	pll and S65	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/19 12:45
S64	24	( phase same (data near (pattern sequence)) same (data with amplitude) same (sum\$4 add adding))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/19 12:44
S63	4	( phase with (data near (pattern sequence)) with (data with amplitude) with (sum\$4 add adding))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/19 12:37
S62	11	pll and ((data near (pattern sequence)) same (data with amplitude) same (sum\$4 add adding))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/19 12:36
S61	173	pll and ((data near (pattern sequence)) same (data with amplitude))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/19 12:31
S60	173	pll and (data near (pattern sequence)) same (data with amplitude)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/19 12:31
S59	740	pll and (data near (pattern sequence)) and (data with amplitude)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/19 12:31



## EAST Search History

S58	109	S57 and pll	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/19 12:30
S57	218	S56 and (data with eye)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/19 12:04
S56	10813	S54 S55	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/19 12:04
S55	2744	327/147,156,231,233,236,244.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/19 12:03
S53	25	S52 and eye	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/19 11:59
S52	132	pll and filter and S51	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/19 11:49
S51	743	receiver and antenna and (timing near recovery)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/19 11:49
S50	81	S49 and eye	USPAT	OR	OFF	2005/06/19 11:48
S49	979	(phase near detect\$4) and (phase near (error difference)) and (data near (reference sample))	USPAT	OR	OFF	2005/06/19 11:34
S48	0	("2003/0169835").URPN.	USPAT	OR	OFF	2005/06/19 11:34

## EAST Search History

S47	123	(phase near (error difference)) same (data with phase) same eye	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/19 11:24
S46	15068	(phase near (error difference)) same (data with phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/19 11:23
S45	48	(data with phase with eye) same (phase near difference)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/19 11:23
S44	34	(data with phase with eye) same (phase near error)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/19 10:39
S43	106	data with phase with eye with (sample reference)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/19 10:27
S42	487	data with phase with eye	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/19 10:17
S41	49	S40 and correlat\$4 and filter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/19 10:17
S40	487	data with eye with phase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/16 16:53

## EAST Search History

S39	9	data with phase with (half near baud)	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/13 15:48
S38	69	pll and S37	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/13 15:48
S37	372	data with phase with baud	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/13 15:48
S36	309	data with phase with baud	USPAT	OR	OFF	2005/06/13 15:47
S35	0	("2003/0169837").URPN.	USPAT	OR	OFF	2005/06/13 15:47
S34	78	pll and S33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/13 15:45
S33	120	S32 and (phase near error)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/13 15:45
S32	374	S31 and filter and correlat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/13 15:43
S31	1125	(data and phase) near sample	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/13 15:42
S1	1289	327/147,156.ccls.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/13 15:42
S30	0	("2003/0083834").URPN.	USPAT	OR	OFF	2005/05/27 15:30

## EAST Search History

S29	72	((amplitude magnitude) with threshold) same phase same pll	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/27 15:28
S28	124	((amplitude magnitude) with threshold) same pll	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/27 15:28
S27	58	((amplitude magnitude) with threshold) same pll	USPAT	OR	OFF	2005/05/27 15:27
S26	18	("5525935").URPN.	USPAT	OR	OFF	2005/05/27 15:27
S25	22	S23 and ((amplitude magnitude) same pll) and eye	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/27 15:02
S24	22	S23 and ((amplitude magnitude) same pll) and eye	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/27 15:02
S23	8008	S19 S20 S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/27 14:57
S22	4616	S19 S20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/27 14:57
S21	4050	375/371,376.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/27 14:57

## EAST Search History

S18	12	S17 and pll	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/26 14:29
S17	152	S14 S15 S16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/26 14:29
S16	15	(scott near chiu).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/26 14:29
S15	75	(james near little).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/26 14:29
S14	81	(hiroshi near takatori).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/26 14:29
S13	60	S9 and S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/26 14:29
S12	1519	S10 S11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/26 14:22
S11	1519	327/147,156.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/26 14:22

## EAST Search History

S10	1289	327/147,156.ccls.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/26 14:22
S9	2199	pll same amplitude same phase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/26 14:22
S8	2082	pll same amplitude same phase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/26 14:22
S7	2939	pll same amplitude	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/26 14:21
S6	31	S5 and correlat\$4 and phase and amplitude	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/26 14:21
S5	1519	327/147,156.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/26 13:17
S4	21	S2 and correlat\$4 and phase and amplitude	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/26 13:17
S3	21	S2 and correlat\$4 and phase and amplitude	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/26 13:17
S2	872	S1 and pll	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/26 13:16